In the Claims:

Please amend the claims as follows:

Claims 1 - 96 (Canceled).

- Claim 97. (CURRENTLY AMENDED) A new method for the quantification of ligand binding to a surface, using hapten-conjugated ligands, comprising:
 - [a] applying a hapten-ligand, comprising a ligand possessing an antibodyrecognizable hapten, to said surface, and,
 - [b] waiting for a period of time, so as to allow a binding of said hapten-ligand to said surface, thereby producing bound ligand, and,
 - [c] removing any unbound hapten-ligand, from said surface, and,
 - [d] solubilizing said bound ligand, thereby producing a lysate, and,
 - [e] applying separately onto a membrane,
 - [1] said lysate, and,
 - [2] a plurality of standards, comprising solutions containing increasing levels of known amounts of the hapten-ligand,

thereby producing membrane-bound hapten-ligand and,

- [f] applying to said membrane,
 - [1] an enzyme-conjugated antibody to specific for said hapten, and,
 - [2] a color or light-producing substrate that contacts the enzyme on said enzyme-conjugated antibody for said enzyme,

thereby producing a signal, and,

[g] comparing said signal arising from said enzyme associated with said

membrane-bound hapten-ligand arising from said standards, to the known amount of hapten-ligand contained in said standards, thereby producing a standard curve, and,

[h] comparing said signal arising from said enzyme associated with said membrane-bound hapten-ligand arising from said lysate, to said standard curve, thereby quantifying the amount of the hapten-ligand contained in said membrane-bound hapten-ligand arising from said lysate,

whereby the quantifying of the amount of the membrane-bound hapten-ligand arising from said lysate, is used to quantify the amount of said hapten-ligand originally bound to said surface, and, whereby the use of radio-labeled ligand is avoided.

- Claim 98. (CURRENTLY AMENDED) The method of Claim 97 step [a], wherein said ligand being applied to said surface in step 97[a], is comprising:

 [a] said hapten-ligand, and,
 - [b] un-conjugated ligand, comprising said ligand which does not possess said hapten, and,

whereby said signal from Claim 97 step [f] step [2] arising from said lysate containing both said hapten-ligand, and said un-conjugated ligand is compared to said signal arising from said lysate containing said hapten-ligand only, thereby verifying the specific binding of said hapten-ligand to said surface.

Claim 99. (CURRENTLY AMENDED) The method of Claim 97 step [e], wherein the producing of said membrane-bound hapten-ligand of step 97[e] is further comprising comprises:

- [a] the separating of said lysate by electrophoresis, and,
- [b] the separating of said standards, by electrophoresis, and,
- [b] the applying of separated lysate, and separated standards to said membrane support, and,

whereby the location of said signal from Claim 97 step [f] step [2] arising from said hapten-ligand, contained in separated lysates, on said membrane, is verified by comparing its said signal it to the location of said signal arising from separated standards, on said membrane.

- Claim100. (PREVIOUSLY ADDED) The method of Claim 99 wherein said method of electrophoresis is selected from the group consisting of SDS-PAGE, electrophoresis according to Schagger Von Jagow, and agarose electrophoresis.
- Claim 101. (CURRENTLY AMENDED) The method of Claim 97 step [f] step [1], wherein said the applying of an antibody to said membrane support is further comprising:

 [a] applying an anti-hapten antibody, comprising an antibody specific for said hapten, to said membrane support and,

[b] applying an enzyme-conjugated antibody specific for said to anti-hapten antibody, to said membrane support.

whereby the sensitive detecting of said membrane-bound haptenligand is afforded by the use of said antibodies.

- Claim 102. (PREVIOUSLY ADDED) The method of Claim 97, wherein said surface includes biological cells.
- Claim 103. (PREVIOUSLY ADDED) The method of Claim 97, wherein said hapten includes compounds which can be specifically recognized by an antibody.
- Claim 104. (PREVIOUSLY ADDED) The method of Claim 97, wherein said hapten is selected from the group consisting of, fluorescein, biotin, rhodamine, and digoxygenin.
- Claim 105. (PREVIOUSLY ADDED) The method of Claim 97, wherein said ligand is a biological factor.
- Claim 106. (PREVIOUSLY ADDED) The method of Claim 97, wherein said ligand is a protein.

- Claim 107. (CURRENTLY AMENDED) The method of Claim 97 106, wherein said protein is selected from the group consisting of transferrin, concanavalin A, avidin, annexin V, and insulin.
- Claim 108. (PREVIOUSLY ADDED) The method of Claim 97, wherein said ligand is DNA.
- Claim 109. (CURRENTLY AMENDED) The method of Claim 97 step [e], wherein said applying onto a membrane method includes blotting the applying of said lysate and said standards onto said membrane is achieved by a blotting method.
- Claim 110. (PREVIOUSLY ADDED) The method of Claim 108 109, wherein said blotting method is selected from the group consisting of electroblotting, dot blotting, slot blotting, or Western blotting.
- Claim 111. (CURRENTLY AMENDED) The method of Claim 97 step [e], wherein said membrane support includes eonventional transfer membranes.
- Claim 112. (CURRENTLY AMENDED) The method of Claim 97 step [e], wherein said membrane support is selected from the group consisting of protein binding membranes, and DNA binding membranes.

- Claim 113. (CURRENTLY AMENDED) The method of Claim 97 step [e], wherein said membrane support is selected from the group consisting of nitrocellulose, or nytran.
- Claim 114. (PREVIOUSLY ADDED) The method of Claim 97 step [f], wherein said enzyme is horseradish peroxidase.
- Claim 115. (CURRENTLY AMENDED) The method of claim 97 step [f] step [2], wherein the quantifying of said signal, arising from said light producing substrate, on said membrane support, is is further comprising:
 - [a] placing said membrane support in contact with photographic film, and,[b] analyzing said signal on said photographic film using an imager.
- Claim 116. (NEW) The method of claim 97 step [f], wherein the applying to said membrane further comprises an initial applying to said membrane of a block solution, comprising a solution containing agents which occupy all non-occupied sites on said membrane, thereby preventing the binding of the antibody specific for said hapten, to sites other than said membrane-bound hapten-ligand.